In the Claims

The status of claims in the case is as follows:

1   1.   [Currently amended]   A collaboration space <u>created as a</u>

2   <u>web site by a user at a browser</u> including a plurality of

3   rooms in a hierarchical structure with access control list

4   control on rooms and access control list control on forward

5   pointers to child rooms, comprising:

6   <u>said web site including</u> a place comprising a plurality

7   of subrooms, each subroom being an independent entity

8   belonging to said place,

9   said place having a first data note including a

10   directory of members of said place and

11   each subroom within said place having a data note

12   associated therewith containing an access control

13   list of members selected exclusively from said

14   directory of members by a member of said place

15   having manager ~~or author~~ authority with respect to

16   said subroom for specifying users of said place

17   authorized to access said subroom;

LOT919990047US1   2   S/N 09/473,098

18   forward and reverse pointers for linking said subrooms,

19   each said forward pointer to a child room including

20   indicia identifying said child room, indicia specifying

21   the address location of the entity forming said child

22   room, and a readers field for providing access control

23   list control on said forward pointer;

24   said readers field being a members object for

25   identifying those members of said subset of members of

26   said place authorized to access a parent subroom that

27   are also authorized to access a child subroom and for

28   each member of said subset of members a level of

29   authorization;

30   a document readers field for a document containing data

31   in said subroom being a members object for identifying

32   a subset of members of said place authorized to access

33   a subroom who are also authorized to access said

34   document; and

35   said collaboration space comprising a hierarchy of

36   rooms, each room being a place in collaboration space

37   including said directory of members; said directory of

38   members, said access control list of members, and said

LOT919990047US1   3   S/N 09/473,098

39   readers field selectively providing increased,

40   decreased, and maintained access to a child place in

41   collaboration space, with access at any level of

42   authority to a child place enabled only for those

43   authorized to access a corresponding parent place, and

44   whether a link to a child place will be enabled for a

45   specific user in its corresponding parent place.

1   2.   [Original]   The collaboration space of claim 1, said

2   levels of authorization including manager, author, and

3   reader.

1   3.   [Currently amended]   A collaboration space created as a

2   web site by a user at a browser, comprising:

3   a place comprising a plurality of rooms in a

4   hierarchical structure linked by forward and backward

5   pointers;

6   a member directory for said place identifying users

7   authorized to enter said place;

8   each said room comprising one or more pages, and for

LOT919990047US1   4   S/N 09/473,098

9   each said room a members object for identifying a

10   subset of members of said place authorized to access

11   said room and for each member a level of authorization,

12   each member of said subset of members being a user

13   authorized in said member directory to enter said

14   place;

15   said rooms including a parent room and a child room,

16   and said pointers comprising forward and backward

17   pointers for enabling the security of each said room to

18   be independently managed, said forward pointers

19   including indicia identifying said child room, indicia

20   specifying the address location of the database forming

21   said child room, and a readers field for providing

22   access control list control on said forward pointer,

23   said readers field for identifying those members of

24   said subset of members of said place authorized to

25   access a parent room that are also authorized to access

26   a child room; and

27   said collaboration space comprising a hierarchy of

28   rooms, each room being a place in collaboration space

29   including a member directory; said member directory,

30   said members object, and said readers field selectively

LOT919990047US1   5   S/N 09/473,098

31   providing increased, decreased, and maintained access

32   to a child place in collaboration space, with access at

33   any level of authority to a child place enabled only

34   for those authorized to access a corresponding parent

35   place, and whether a link to a child place will be

36   enabled for a specific user in its corresponding parent

37   place.

1   4.   [Previously presented] The collaboration space of

2   claim 3, said readers field including an access authority

3   for each reader authorized to enter said room selectively as

4   manager, author or manager.

1   5.   [Previously presented] The collaboration space of

2   claim 3, each said forward pointer being a secure pointer by

3   carrying the same level of security as the child room to

4   which it points.

1   6.   [Previously presented] The collaboration space of

2   claim 5, each said forward pointer carrying in said readers

3   field the same security as that of the subroom to which it

4   points.

LOT919990047US1   6   S/N 09/473,098

1   7.   [Previously presented] The collaboration space of

2   claim 6, further comprising a display for presenting to a

3   specific user viewing a parent room a listing of its

4   subrooms, said listing including for said specific user only

5   those subrooms for which said readers field in said forward

6   pointer includes an entry authorizing access by said

7   specific user.

1   8.   [Canceled]

2   9.   [Currently amended] A method for controlling access to

3   rooms within a collaboration place created as a web site by

4   a user at a browser, comprising the steps of:

5   maintaining for said collaboration place an access

6   control list identifying those users authorized to

7   enter said place;

8   providing forward and reverse pointers linking said

9   rooms in a hierarchical structure within said place,

10   said forward pointers including indicia identifying a

LOT919990047US1   7   S/N 09/473,098

11   child room, indicia specifying the address location of

12   the database forming said child room, and a readers

13   field for providing access control list control on said

14   forward pointer, said readers field exclusively

15   specifying a subset of said users authorized to enter

16   said place;

17   displaying a parent room to a specific user, said

18   parent room including a list of children rooms for

19   which said readers fields on said forward pointers

20   authorize said specific user access; and

21   said collaboration space comprising a hierarchy of

22   rooms, each room being a place in collaboration space

23   including an access control list; said access control

24   list and said readers field on forward links from a

25   parent place to a child place selectively providing

26   increased, decreased, and maintained access to said

27   child place in collaboration space, with access at any

28   level of authority to said child place enabled only for

29   those authorized to access a corresponding parent

30   place, and whether a link to a child place will be

31   enabled for a specific user in its corresponding parent

32   place.

33   10.   [Currently amended]   A method for creating a child room

34   within a collaboration place data base created as a web site

35   by a user at a browser, comprising the steps of:

36   providing for said collaboration place data base a

37   first access control list identifying users authorized

38   to access said data base;

39   providing for said child room a back pointer to a

40   parent room; and

41   providing at said parent room for said child room a

42   forward pointer from said parent room to said child

43   room, said pointer including indicia identifying said

44   child room, indicia specifying the address location of

45   the database forming said child room, and a readers

46   access field listing a subset of users in said first

47   access control list who are users authorized to access

48   said child room for providing a second access control

49   list specific to said forward pointer;

50   initially including in said readers access field for a

LOT919990047US1   9   S/N 09/473,098

51   child room created from a form users identified in a

52   form access list identifying users authorized to read

53   rooms created from said form;

54   limiting reader access in said readers access field to

55   said child room for a specific user to no more than the

56   access granted said specific user in said first access

57   control list; and

58   said collaboration space comprising a hierarchy of

59   rooms, each room being a place in collaboration space

60   including an access control list; said access control

61   list and said readers access field on forward links

62   from a parent place to a child place selectively

63   providing increased, decreased, and maintained access

64   to said child place in collaboration space, with access

65   at any level of authority to said child place enabled

66   only for those authorized to access a corresponding

67   parent place, and whether a link to a child place will

68   be enabled for a specific user in its corresponding

69   parent place.

11.   [Canceled]

LOT919990047US1   10   S/N 09/473,098

12.   [Canceled]

1   13.   [Currently amended]   A program storage device readable

2   by a machine, tangibly embodying a program of instructions

3   executable by a machine to perform method steps for

4   controlling access to rooms within a collaboration place

5   created as a web site by a user at a browser, said method

6   steps comprising:

7   maintaining for said collaboration place a first access

8   control list identifying those users authorized to

9   enter said place;

10   providing forward and reverse pointers linking said

11   rooms within said place, said forward pointers

12   including indicia identifying a child room, indicia

13   specifying the address location of the database forming

14   said child room, and a second access control list

15   including a readers field specifying each user having

16   manager, author, and reader access to said child room,

17   said readers field exclusively specifying a subset of

18   said users authorized to enter said place; [[and]]

19   displaying a parent room to a specific user, said

LOT919990047US1   11   S/N 09/473,098

20   parent room including a list of children rooms for

21   which said readers fields on said forward pointers

22   authorize said specific user access; and

23   said collaboration space comprising a hierarchy of

24   rooms, each room being a place in collaboration space

25   including an access control list; said first access

26   control list, and second access control lists on

27   forward links from a parent place to a child place,

28   selectively providing increased, decreased, and

29   maintained access to said child place in collaboration

30   space, with access at any level of authority to said

31   child place enabled only for those authorized to access

32   a corresponding parent place, and whether a link to a

33   child place will be enabled for a specific user in its

34   corresponding parent place.

1   14.   [Canceled]

1   15.   [Previously presented] A computer program product for

2   controlling access to rooms within a collaboration place

3   created as a web site by a user at a browser, comprising:

LOT919990047US1   12   S/N 09/473,098

4   a computer readable medium;

5   first program instructions for maintaining for said
6   collaboration a first access control list identifying
7   those users authorized to enter said place;

8   second program instructions for providing in a parent
9   room second access control list identifying a subset of
10   those user authorized to enter said place who are also
11   authorized to enter said parent room with manager,
12   author, or user access;

13   third program instructions for providing forward and
14   reverse pointers linking said parent room with a child
15   room in a double-linked list within said place, said
16   forward pointers having a readers field providing a
17   third access control list on said forward pointer, said
18   third access control list providing access to said
19   child room for those members who are included in said
20   second access control list who are also authorized to
21   access said child room;

22   fourth program instructions for displaying a parent
23   room to a specific user, said parent room including on

LOT919990047US1   13   S/N 09/473,098

24   said forward pointers a list of children rooms for

25   which said readers fields authorize said specific user

26   access;

27   fifth program instructions establishing said

28   collaboration space as comprising a hierarchy of rooms,

29   each room being a place in collaboration space

30   including an access control list; said first access

31   control list, said second access control list, and said

32   third access control list selectively providing

33   increased, decreased, and maintained access to said

34   child place in collaboration space, with access at any

35   level of authority to said child place enabled only for

36   those authorized to access a corresponding parent

37   place, and whether a link to a child place will be

38   enabled for a specific user in its corresponding parent

39   place; and wherein

40   said first, second, third, fourth, and fifth program

41   instructions are recorded on said computer readable

42   medium.

LOT919990047US1   14   S/N 09/473,098